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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/680,972	10/07/2003	Woo Seong Yoon	2080-3-171	6063

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EXAMINER

SHIBRU, HELEN

ART UNIT	PAPER NUMBER
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2621

NOTIFICATION DATE	DELIVERY MODE
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06/26/2009

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

mailroom@bskb.com

Office Action Summary	Application No.	Applicant(s)	
	10/680,972	YOON ET AL.	
	Examiner	Art Unit	
	HELEN SHIBRU	2621	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 March 2009.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-32 and 51-59 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-32 and 51-59 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

1. The amendments, filed 03/25/2009, have been entered and made of record. Claims 1-32 and 51-59 are pending.

Response to Arguments

2. Applicant's arguments with respect to claims 1-32 and 51-59 have been considered but are moot in view of the new ground(s) of rejection. However in regard to Applicant's argument that the cited reference MNG (Multiple-image Network Graphics) is not the same as the present Application MNG (Multimedia Network Graphics) are not the same, the Examiner respectfully disagrees. Image is media. If Applicant believes that the standard/format is different, the Examiner respectfully request the Applicant to specify the different types of format that applies to MNG (Multimedia Network Graphics) and MNG (multiple-image Network Graphics).

In response to Applicant request of a prior art to support Examiner's Official Notice, the Examiner hereby submitted prior art Hayes et al. (US PG PUB 2004/0068510).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-32 and 51-59 are rejected under 35 U.S.C. 103(a) as being unpatentable over Glanders-Pehrson (<http://www.libpng.org/pub/mng/spec>) in view of Hayes (US PG PUB 2004/0068510).

Regarding claim 1, Glanders-Pehrson discloses a method for reproducing animation data using an enhanced navigation player, the method comprising: receiving first graphic information comprising control data and animation data associated with audio/video (A/V) data read from a first source (see abstract lines 1-2, and introduction); extracting from the first graphic information, second and third graphic information (see abstract lines 5-6 and introduction); decoding the second and third graphic information into first and second image data, respectively (see lines 7-8 of the abstract); and reproducing at least one of the first and second image data in the form of animated images, based on the control data (see section 4.1.1).

Claim 1 differs from Glanders-Pehrson in that the claim further requires using an interactive recording media player.

In the same filed of endeavor Hayes discloses receiving multimedia objects from a DVD played on a personal computer (see paragraph 0003). See also DVD player 345 in figure 3 and paragraph 0055. Hayes further teaches formats like MNG, PNG, JPEG describes multimedia objects (see paragraph 0004 and 0020). Therefore in light of the teaching I Hayes it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Glanders-Pehrson by implementing DVD source in order to take advantage of the higher data capacity.

Regarding claim 2, Glanders-Pehrson discloses extracting first control data from the first graphic information (see section 4.1.1).

Regarding claim 3, Glanders-Pehrson discloses extracting second control data from the second graphic information (see section 6.1).

Regarding claim 4, Glanders-Pehrson discloses extracting third control data from the third graphic information (see section 5.1).

Regarding claim 5-7, the limitation of claims 5-7 can be found in claim 1. Therefore claims 5-7 are analyzed and rejected for the same reason as discussed in claim 1 above.

Claims 8-10 are rejected for the same reasons as discussed in claims 1-4 above.

Claims 11 is rejected for the same reasons as discussed in claims 2-4 above.

Claim 12 is rejected for the same reason as discussed in claims 1-4 above.

Claim 13 is rejected for the same reason as discussed in claim 1 above.

Regarding claim 14, the limitation of claim 14 can be found in claim 1. Therefore claim 14 is analyzed and rejected for the same reason as discussed in claim 1 above. See also the introduction and sections 3.1-3.4 in regard to the limitation storing the graphic information in a storage medium.

Claim 15 is rejected for the same reason as discussed in claim 1 above.

Regarding claim 16, Glanders-Pehrson discloses the first source is an enhanced navigation medium (see sections 4.1.1-4.1.2).

Regarding claim 17, Glanders-Pehrson discloses the first source is a content server (see sections 4.1.1-4.1.2).

Regarding claim 18, Glanders-Pehrson discloses the storage medium is a temporary storage medium (see sections 4.1.1-4.4.2).

Regarding claim 19, Hayes discloses the first source is an interactive digital versatile recording medium (see figure 3 and paragraphs 0003-0005 and 0055).

Claim 20 is rejected for the same reason as discussed in claim 1 above.

Regarding claim 21, Glanders-Pehrson discloses the MNG data chunk comprises MNG header information and MNG end information, and control information for reproducing animated images (see section 4.1.1).

Regarding claim 22, Glanders-Pehrson discloses the PNG data chunk comprises PNG header information, PNG end information, object image data, and control information for controlling playback of the object image data (see sections 6.1.1-6.1.2).

Regarding claim 23, Glanders-Pehrson discloses the JNG data chunk comprises JNG header information, JNG end information, JPEG image data, and control information for controlling playback of the JPEG image data (see sections 5.1.1-5.1.6).

Regarding claim 24, Glanders-Pehrson discloses the JPEG image data comprises multidimensional density attributes for defining aspect/ratio conversions for image data displayed on a display device, based on the display device dimensions (see sections 3.1-3.4 and the introduction).

Regarding claim 25, Glanders-Pehrson discloses the multidimensional density attributes comprise a horizontal pixel density X (see sections 3.3, 2 and 6.1.2).

Regarding claim 26, Glanders-Pehrson discloses the multidimensional density attributes comprise a vertical pixel density Y (see sections 2, 3.3 and 6.1.2).

Regarding claim 27, Glanders-Pehrson discloses an enhanced navigation player for reproducing animation data, the player comprising: a first decoder configured to receive first graphic information comprising control data and animation data associated with audio/video (A/V) data read from a first source (see abstract, and claim 1 rejection above); a second decoder configured to extract second graphic information in form of first decoded image data from the

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first graphic information (see sections 3.3 and 11.1-11.7); a parser configured to extract third graphic information in form of second image data from the first graphic information (see abstract and introduction); a third configured to decode the third graphic information into second decoded image data (see sections 11.5-11.7 and claim 1 rejection above); and an image manager configured to receive the first and second decoded image data and reproducing animated images, based on the control data (see sections 2 and 4.1.1).

Claim 27 differs from Glanders-Pehrson in that the claim further requires using an interactive recording media player.

In the same filed of endeavor Hayes discloses receiving multimedia objects from a DVD played on a personal computer (see paragraph 0003). See also DVD player 345 in figure 3 and paragraph 0055. Hayes further teaches formats like MNG, PNG, JPEG describes multimedia objects (see paragraph 0004 and 0020). Therefore in light of the teaching I Hayes it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Glanders-Pehrson by implementing DVD source in order to take advantage of the higher data capacity.

Regarding claim 28, Glanders-Pehrson discloses the first decoder, the second decoder and the parser, respectively extract first, second and third control information from respectively the first, second and third graphic information (see introduction and abstract and claim 1 rejection above).

Claim 29 is rejected for the same reason as discussed in claims 1-4 above.

Claim 30 is rejected for the same reason as discussed in claim 1 above.

Claims 31-32 are rejected for the same reasons as discussed in claims 16-17 respectively above.

Claim 51 is rejected for the same reason as discussed in claim 18 above.

Claim 52 is rejected for the same reason as discussed in claim 19 above.

Claim 53 is rejected for the same reason as discussed in claim 1 above.

Claim 54 is rejected for the same reason as discussed in claims 1-4 and 21 above.

Claim 55 is rejected for the same reason as discussed in claim 22 above.

Claim 56 is rejected for the same reason as discussed in claim 23 above.

Claim 57 is rejected for the same reason as discussed in claim 24 above.

Regarding claim 58, the limitation of claim 58 can be found in claims 1-4 and 27. Therefore claim 58 is analyzed and rejected for the same reasons as discussed in claims 1-4 and 27 above.

Claim 59 is rejected for the same reason as discussed in claim 1 above.

Conclusion

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

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CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to HELEN SHIBRU whose telephone number is (571)272-7329. The examiner can normally be reached on M-F, 8:30AM-5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, THAI Q. TRAN can be reached on (571) 272-7382. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/HELEN SHIBRU/
Examiner, Art Unit 2621
June 18, 2009

/Thai Tran/
Supervisory Patent Examiner, Art Unit 2621

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